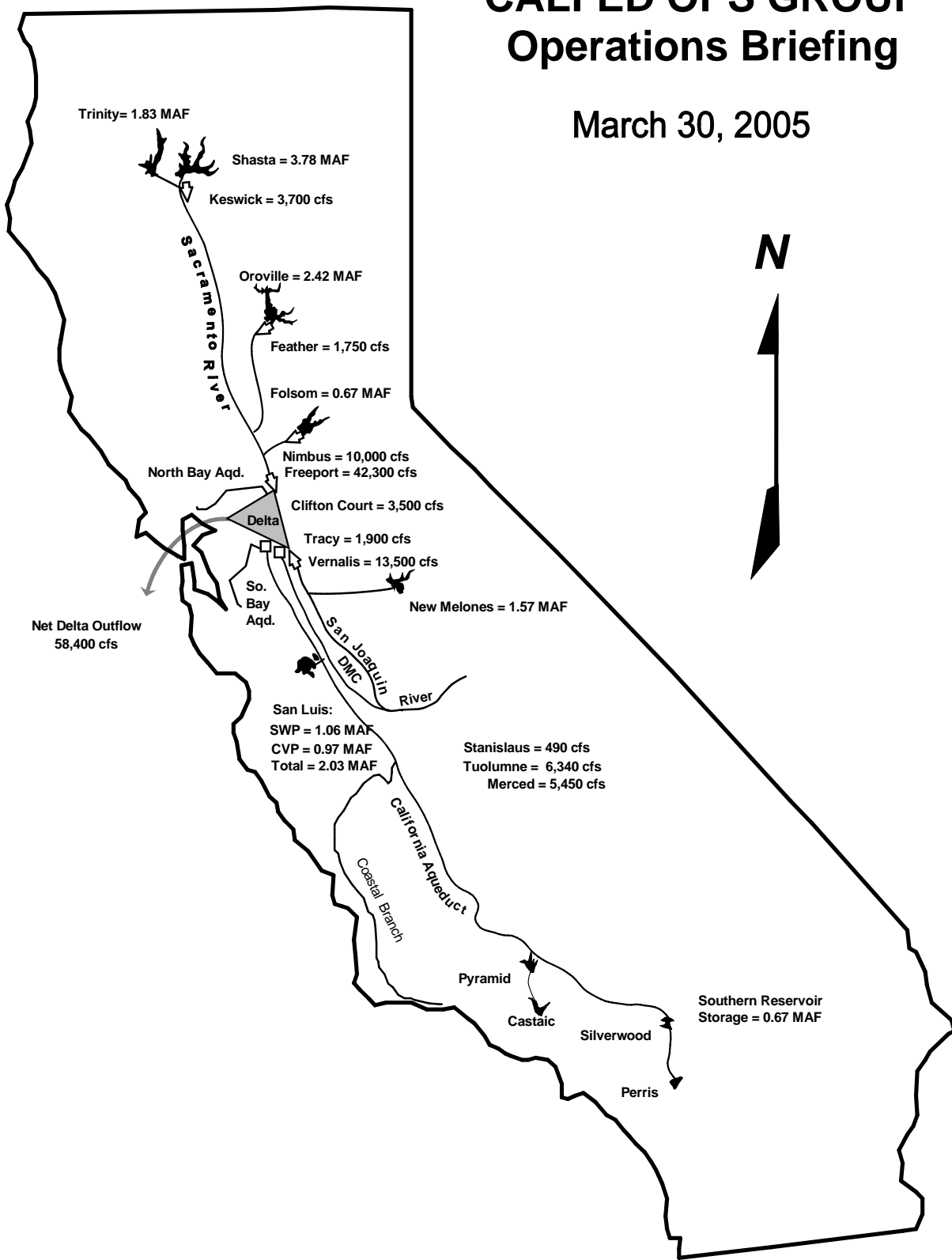


CALFED OPS GROUP Operations Briefing

March 30, 2005



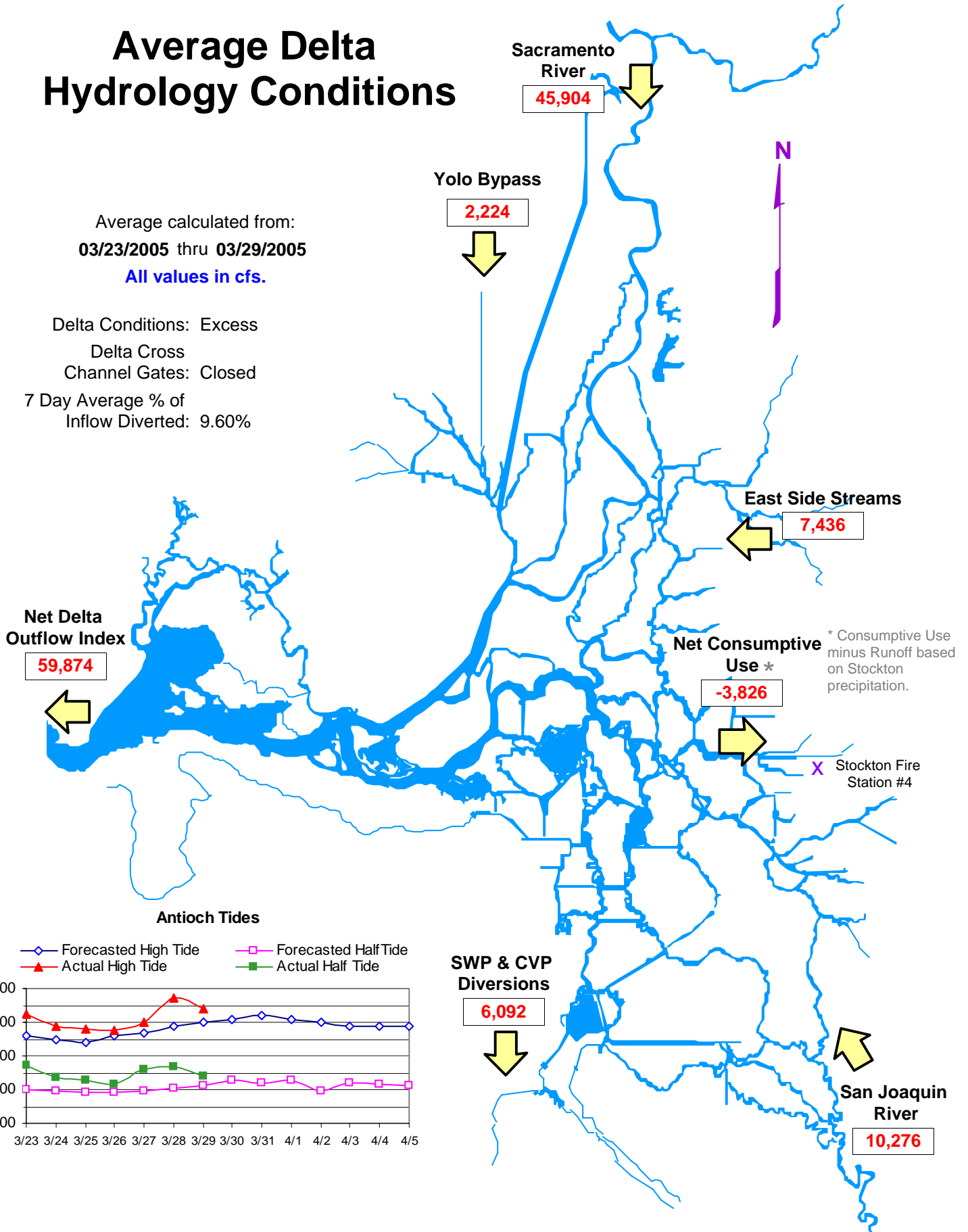
CURRENT SWP/CVP OPERATIONAL STATUS

**DATA AS OF
March 30, 2005**

Average Delta Hydrology Conditions

Average calculated from:
03/23/2005 thru 03/29/2005
 All values in cfs.

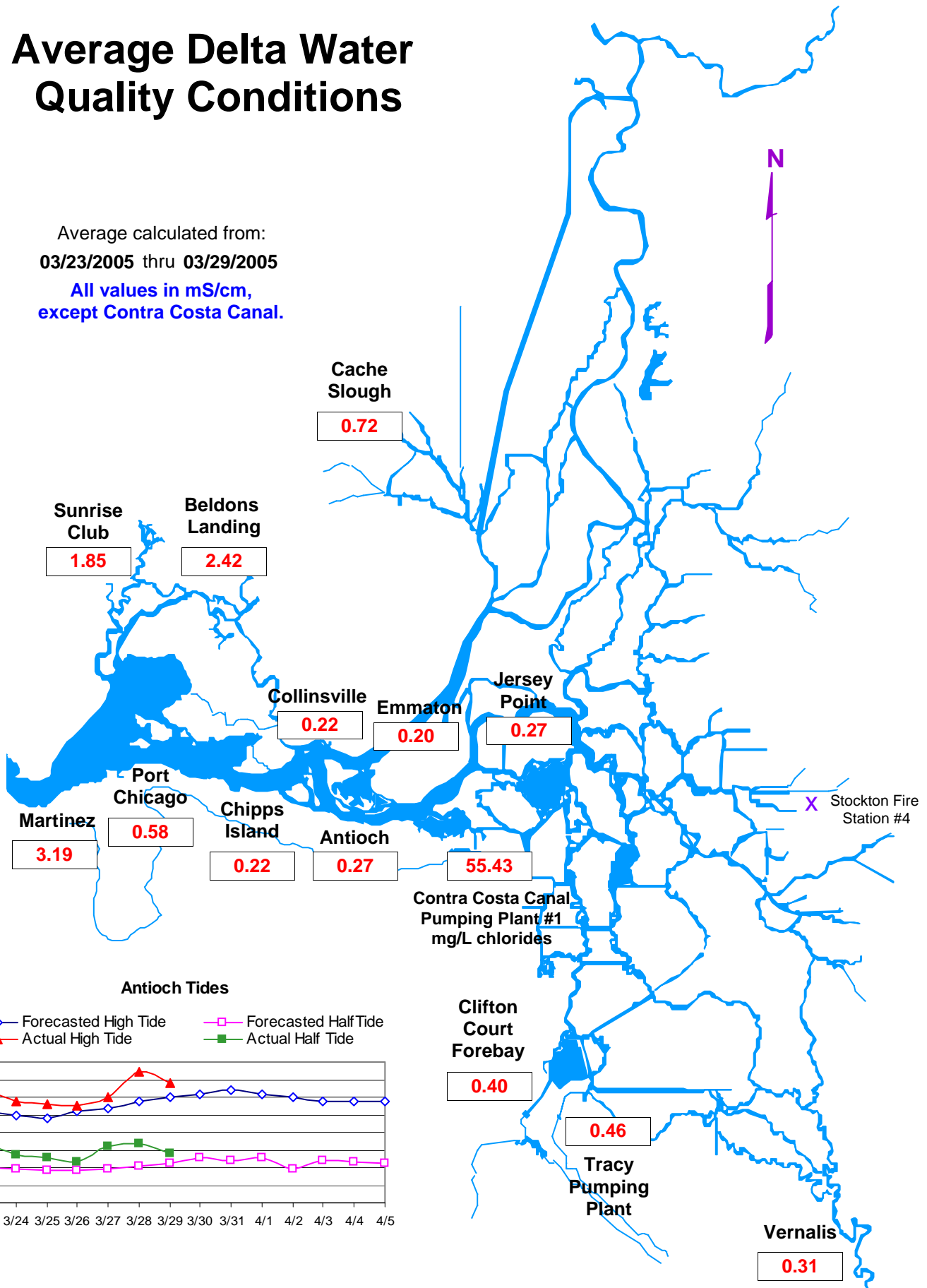
Delta Conditions: Excess
 Delta Cross
 Channel Gates: Closed
 7 Day Average % of
 Inflow Diverted: 9.60%



Average Delta Water Quality Conditions

Average calculated from:
03/23/2005 thru 03/29/2005

All values in mS/cm,
except Contra Costa Canal.



DRAFT

Bay-Delta Standards

Contained in D-1641

DRAFT

CRITERIA	Mar 2005	Apr 2005	May 2005
FLOW/OPERATIONAL			
• Fish and Wildlife			
SWP/CVP Export Limits		Greater of 1,500 cfs or 100% of 3-day avg. Vernalis flow	
Export/Inflow Ratio	35 % of Delta Inflow		
Minimum Outflow - mon. - 7 day avg.			
Habitat Protection Outflow, X2			7,100 - 29,200 cfs or X2 days
River Flows:			
@ Rio Vista - min. mon. avg. - 7 day average	Port Chicago for 31 days, Days met Chippis Island for 31 days. Days met	Port Chicago for ~ 18 days, days met with carryover Chippis Island for 30 days	
@ Vernalis: Base -min. mon. avg. - 7 day average	3420 cfs	3420 cfs	3420 cfs
Pulse objective	2736 cfs	2736 cfs	2736 cfs
Delta Cross Channel Gates		7020 cfs	gates may close
	Closed		14 days per Op's Group

WATER QUALITY STANDARDS

• Municipal and Industrial			
All Export Locations	CI <= 250 mg/l		
Contra Costa Canal	CI <= 150 mg/l for 175 days for Below Normal Water Year Type		
• Agriculture			
Western/Interior Delta		Max. 14-day average EC mmhos/cm: 0.45 mS/cm for Below Normal year	
Southern Delta	30 day running avg. EC <= 1.0 mS/cm	30 day running avg. EC <= 0.7 mS/cm	30 day running avg. EC <= 0.7 mS/cm
• Fish and Wildlife			
San Joaquin River Salinity		14-day avg; 0.44 EC	
Suisun Marsh Salinity	8.0 mhtEC	11.0 mhtEC	

Water Year Classification: Below Normal (Based on forecast, 3/1/2005)

SRI (40-30-30 @ 50%) = 6.9 MAF

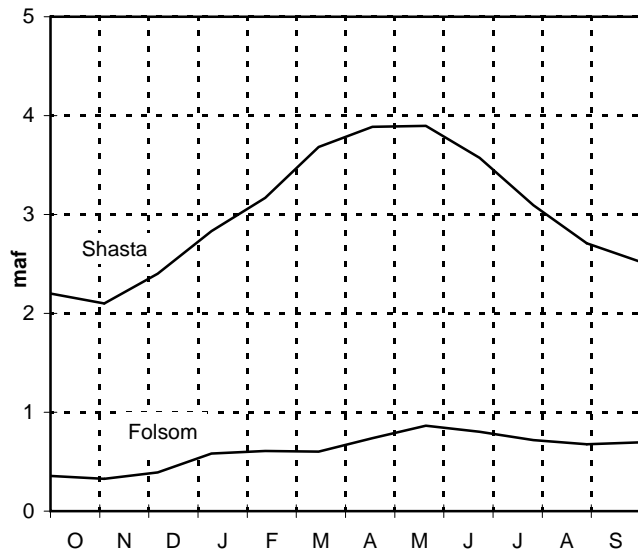
SJV (60-20-20 @ 75%) = 3.7 MAF

SWP & CVP WY 2005 Forecasted Operations.

(based on 3/1/05 water supply update)

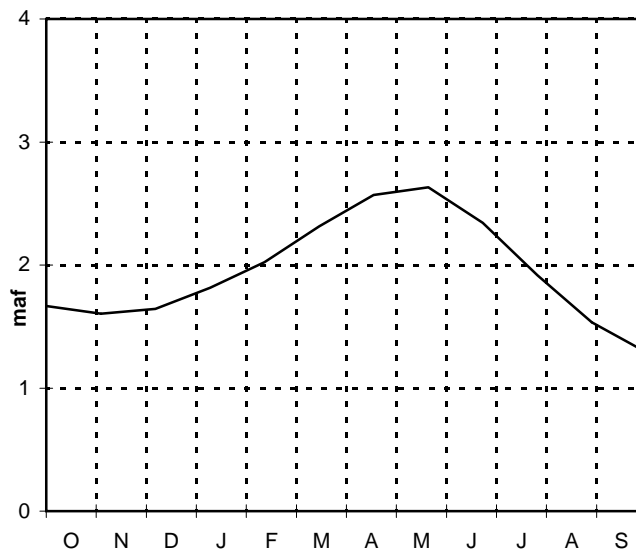
Upstream CVP storage

— 50% Excd.



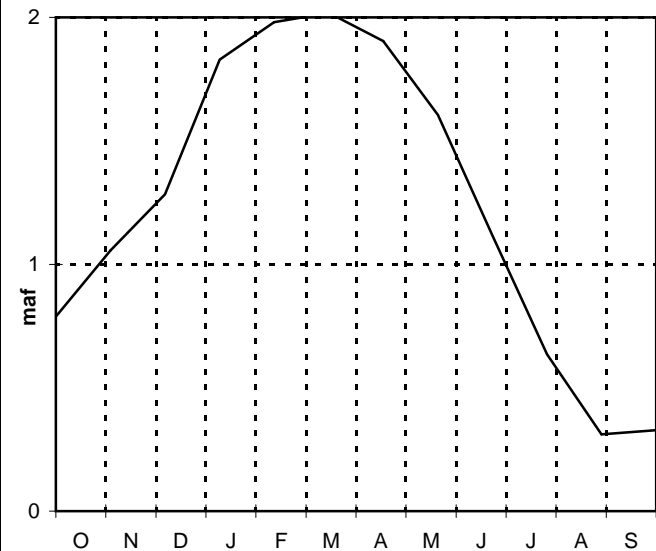
Lake Oroville storage

— 50% Excd.



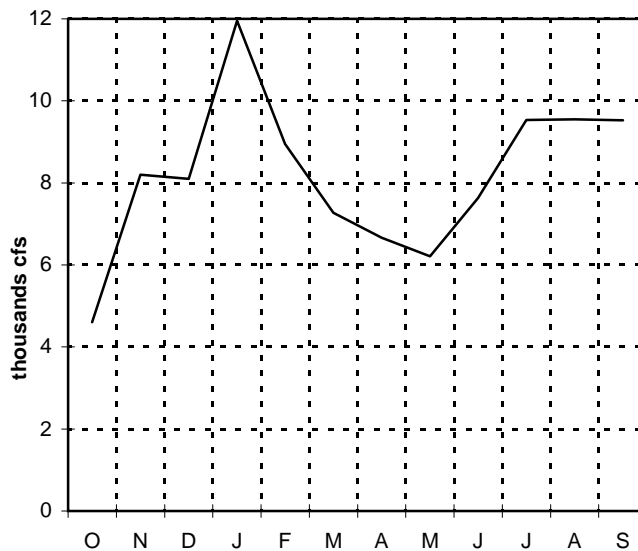
San Luis Reservoir Storage

— 50% Excd.



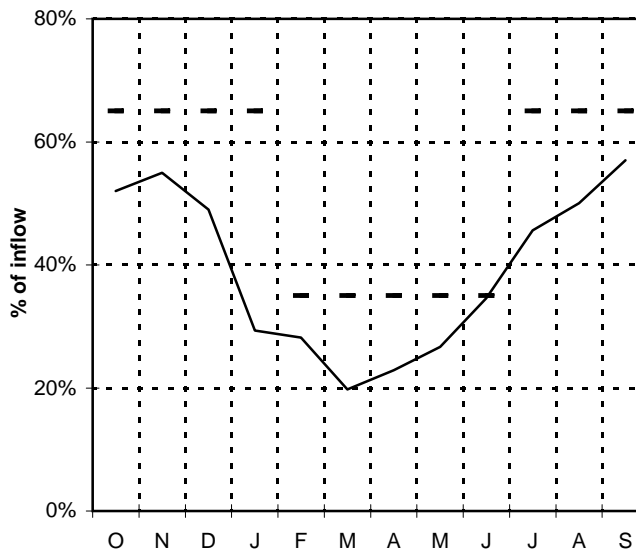
Delta Exports

— 50% Excd.



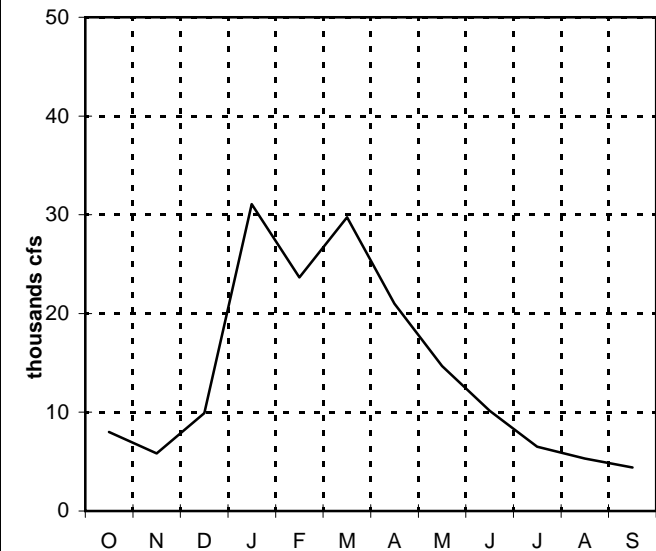
Delta Export/Inflow percent

— 50% Excd.



Net Delta Outflow Index

— 50% Excd.



Flows are monthly averages.

WY 2004/2005 EWA Accounting Summary
Based upon a Modified March Operations Study - 90% Exceedance Hydrology
Assumptions: SWP Allocation - 60%; NOD Purchases - 108.2 TAF; SOD Purchases - 69.7 TAF; MWD SS - 100 TAF
(Pre-VAMP shoulder starts on 4/15/05; VAMP starts on 5/1/05; DEBT ≤ 100 TAF TO PROJECTS)
(San Joaquin flows at Vernalis for April and May are 7,200 cfs and 7,000 cfs, respectively)

EWA NOD and SOD Storage (+ = Acquisitions) and (- = Releases)																	
1	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NOD (Oroville)																	0.0
NOD (non-Oroville) ⁰		18.7 ⁴		6.2 ⁵				62.0 ¹¹	10.0 ¹²	10.0 ¹³		10.0 ¹³	10.0 ¹⁴				0.0
YCWA ²		0.9 ³	-0.9 ³														0.0
PCWA (released into Folsom)		7.9 ⁴	7.9 ⁴	2.9 ⁴													18.7
Instream Uses/Non-Capturable Water					-15.4 ⁴	-3.3 ¹⁶											-18.7
SOD (KCWA/SCVWD)									69.7 ^{15 17}								69.7
SOD (MWD)																	0.0

EWA Asset Acquisition in SWP San Luis ¹																	
2	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	0.0
EWA share of SWP gain			0.29														0.3
Project Pumping to reduce EWA debt						34.5											34.5
JPOD using excess flows																	0.0
JPOD using NOD storage																	0.0
Xfer NOD - Sacramento River ²		0.9 ³									29.8 ^{5 11 13}	24.8 ^{11 13}	16.0 ¹¹				71.4
Xfer NOD - San Joaquin River ²														9.0 ¹⁴			9.0
SOD SWP Surface/GW Purchases										29.7 ¹⁵	40.0 ¹⁷						69.7
Exchange of EWA assets																	0.0
Groundwater pumping SOD																	0.0
Exchange from CVP to SWP in SL																	0.0
Total Monthly EWA Assets		0.9	0.3	0.0	0.0	34.5	0.0	0.0	0.0	29.7	69.8	24.8	16.0	9.0	0.0	0.0	184.9

EWA Asset Acquisition in CVP San Luis ¹																	
3	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	0.0
Project Pumping to reduce EWA debt							31.2										31.2
JPOD using excess flows																	0.0
JPOD using NOD storage											8.0 ¹²						8.0
Xfer NOD - Sacramento River ²																	0.0
Xfer NOD - San Joaquin River ²																	0.0
SOD CVP Surface/GW purchases																	0.0
Exchange of EWA assets																	0.0
Groundwater pumping																	0.0
Exchange from SWP to CVP in SL																	0.0
Total Monthly EWA Assets	0.0	0.0	0.0	0.0	0.0	0.0	31.2	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	39.2

EWA Expenditures at the Export Pumps																	
4	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP export cuts				-4.2 ⁶		-32.8 ⁷		-80.0 ⁸	-169.0 ⁶								-286.0
CVP export cuts						-14.0 ⁷		0.0 ⁹	0.0 ⁹								-14.0
Total Expenditures	0.0	0.0	0.0	-4.2	0.0	-46.8	0.0	-80.0	-169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-300.0

EWA End-of-Month Incremental Storage Changes																	
5	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP in SL (without Source Shift)	1.4	0.9	0.3	-4.2	0.0	1.6	0.0	-80.0	-169.0	29.7	69.8	24.8	16.0	9.0	0.0	0.0	-99.7
CVP in SL	-17.2	0.0	0.0	0.0	0.0	-14.0	31.2	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	8.0
NOD Storage	0.9	17.8	0.0	6.2	-15.4	-3.3	0.0	62.0	10.0	10.0	-47.2	-21.0	-10.0	-10.0	0.0	0.0	0.0
SOD Storage (non-S.L.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.7	-29.7	-40.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Incremental Storage Changes	-14.9	18.7	0.3	2.1	-15.4	-15.7	31.2	-18.0	-89.3	10.0	-9.4	3.8	6.0	-1.0	0.0	0.0	-91.7

EWA Cumulative End-of-Month Storage Balance at Various Sites																	
6	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP in SL (without Source Shift)	1.4	2.2	2.5	-1.6	-1.6	0.0	0.0	-80.0	-249.0	-219.3	-149.5	-124.7	-108.7	-99.7	-99.7	-99.7	
CVP in SL (without Source Shift)	-17.2	-17.2	-17.2	-17.2	-17.2	-31.2	0.0	0.0	0.0	0.0	8.0	8.0	8.0	8.0	8.0	8.0	
NOD Storage	0.9	18.7	18.7	24.9	9.5	6.2	6.2	68.2	78.2	88.2	41.0	20.0	10.0	0.0	0.0	0.0	
SOD Storage (non-S.L.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.7	40.0	0.0	0.0	0.0	0.0	0.0	0.0	
EWA Asset Balance	-14.9	3.8	4.1	6.1	-9.2	-24.9	6.2	-11.8	-101.1	-91.1	-100.5	-96.7	-90.7	-91.7	-91.7	-91.7	

San Luis Reservoir Storage Conditions																	
7	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Storage (base case) ¹⁰		803	1072	1301	1829	1999	2028	1841	1545	1095	622	271	203	238	436	686	
SWP		520	601	674	1015	1100	1062	980	877	674	439	234	141	64	92	145	
CVP		283	471	628	814	900	966	861	668	421	183	37	62	174	344	541	
Encroachment																	
Total Storage (EWA case)		788	1058 ⁰	1283	1810	1968	2028	1761	1296	876	480	154	102	146	344	594	
MWD Source Shifting									25	25	25	25		-33	-33	-33	
Storage (with MWD source shifting)		788	1058	1283	1810	1968	2028	1761	1321	926	555	254	202	213	377	594	

⁰ 2005 NOD Purchases = 6.2(SFWP) + 62(YCWA) + 10(PCWA) + 5(OUWUA) + 10(MID). Additional option offers: 63(YCWA) + 10(PCWA) + 5(OUWUA) + 5(MID)

¹ 2005 SOD Purchases = 40(KCWA). Prop 204 = 29.7(KCWA).

² Aqueduct conveyance and evaporation losses are not included.

³ Carriage water loss applies to water transfers from the Sacramento River (assumed to be 20% until modeling results indicate otherwise);

a 10% conveyance loss applies to water transfers from the San Joaquin River.

Carriage water loss in WY 2004 was 0%.

⁴ 2004 YCWA Transfer (Joint place of use) ⁵ 2004 PCWA Transfer (Joint place of use) ⁶ 2005 SFWP Transfer (Joint place of use)

⁷ About 4.2 TAF was expended for the Delta Action 8 experiment which occurred between 12/6/04 - 12/15/04.

⁸ About 60.2 TAF was expended for the export curtailment which occurred between 2/205 - 2/7/05.

⁹ The SWP's projected cost for VAMP is 169 TAF. The cost for a Pre-VAMP Shoulder is 80 TAF, which assumes an export level of **3,000** cfs for 2 weeks or a ramp down of exports prior to the start of VAMP.

¹⁰ The CVP's costs for a pre-VAMP shoulder and VAMP are assumed to be covered by B2.

¹¹ Based upon the 3/2005 DWR's 90% (90% Fall) allocation study and 3/2005 USBR's 90% (90% Fall) B2 forecast.

¹² 2005 YCWA Transfer (Joint place of use) ¹³ 2005 PCWA Transfer (Joint place of use)

¹⁴ 2005 PCWA Transfer (Joint place of use) ¹⁵ 2005 MID Transfer (Joint place of use)

¹⁶ 2005 Prop 204 SOD Transfer - KCWA - 29.7 TAF (SWP place of use)

¹⁷ 2005 KCWA Transfer (SWP place of use) ¹⁸ The CVP spilled ~ 3.3 TAF of EWA water stored in Folsom during flood control operations.